

Manual Software Testing in Distributed Teams

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A high-resolution satellite image of the Earth's surface, showing a curved horizon. The image captures a large portion of the Arctic region, including the North Pole and surrounding landmasses like Greenland and parts of Europe and Asia. The colors are vibrant, with deep blues for the oceans, bright whites for the ice, and various shades of green and brown for the land.

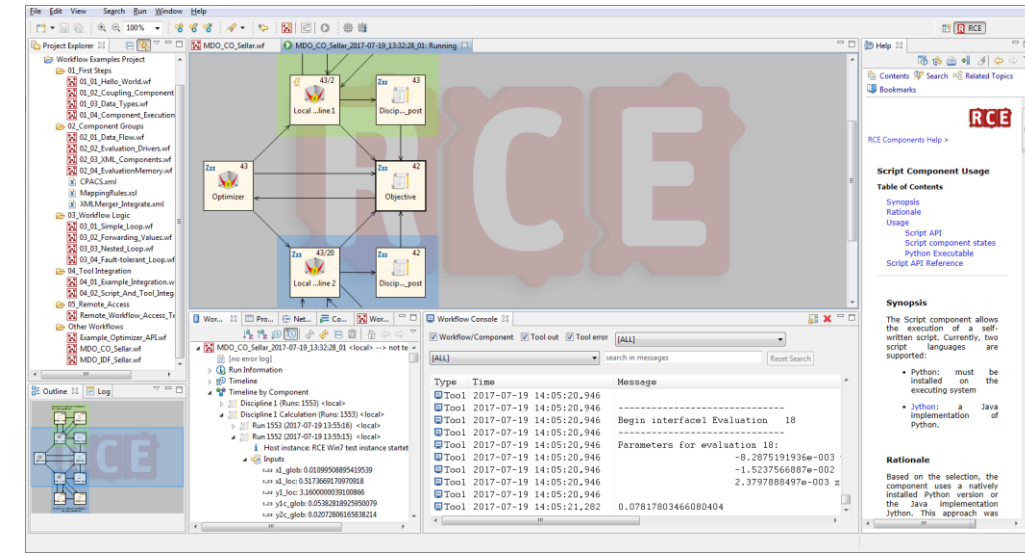
Knowledge for Tomorrow

Software Project RCE

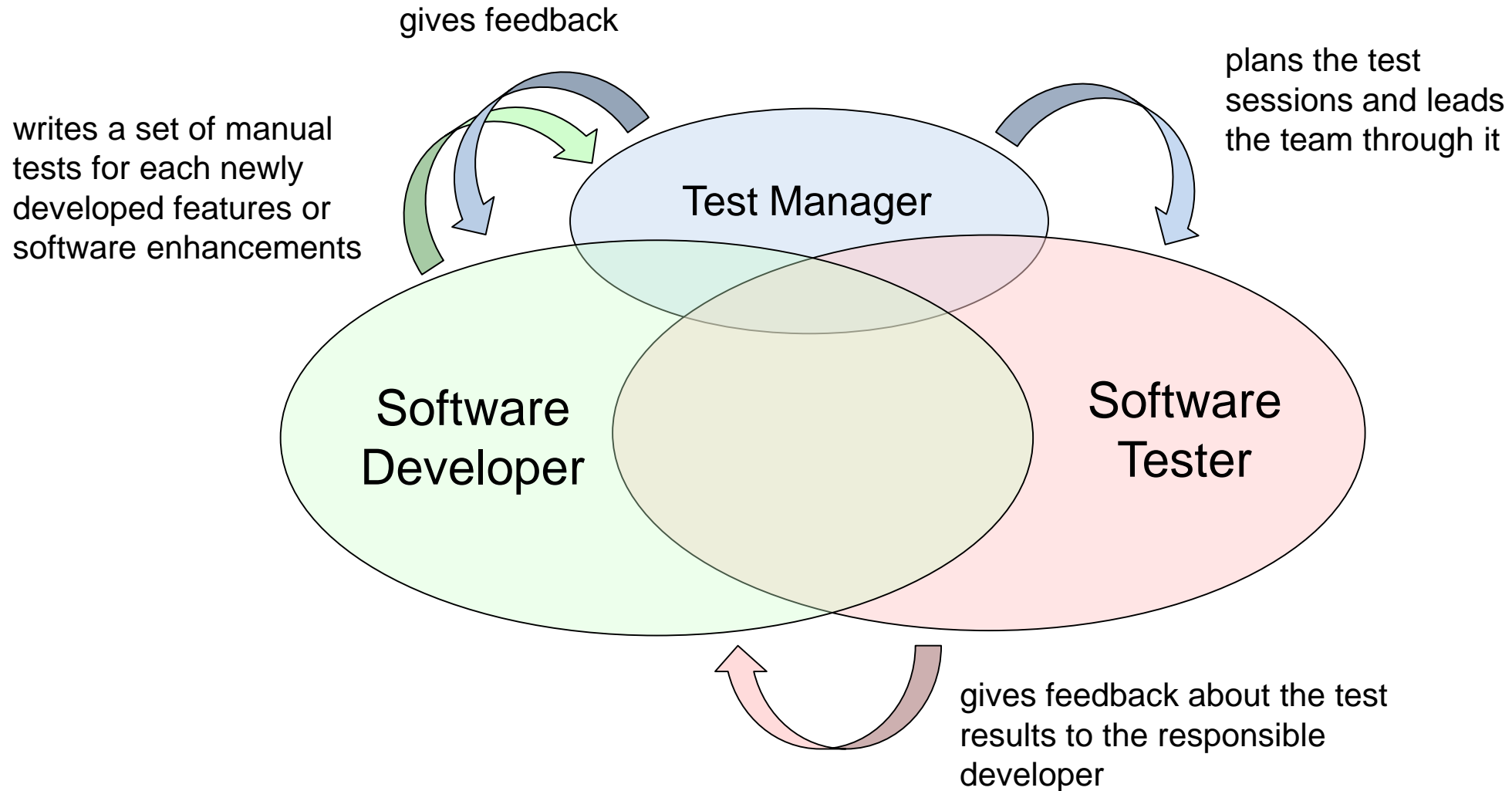


- Distributed, workflow-driven integration environment
- Open source
- Start in 2006
- Team of developers
 - ~ 4 research engineers plus students at several locations
- ~ 3 manual test sessions per year
- Period of time: 3-6 weeks
- Amount of tests: ~ 150 on multiple platforms
- Special challenge:

In test sessions, every developer is also a tester .



Roles in Manual Testing



Roles in Manual Testing

Preconditions

This test focuses on the Manage Custom Groups Dialog.

Start an instance having several tools and workflows integrated.

Start a network connection with several shared tools and workflows.

Move some components to customized and predefined groups via the Palette view's context menu.

Steps

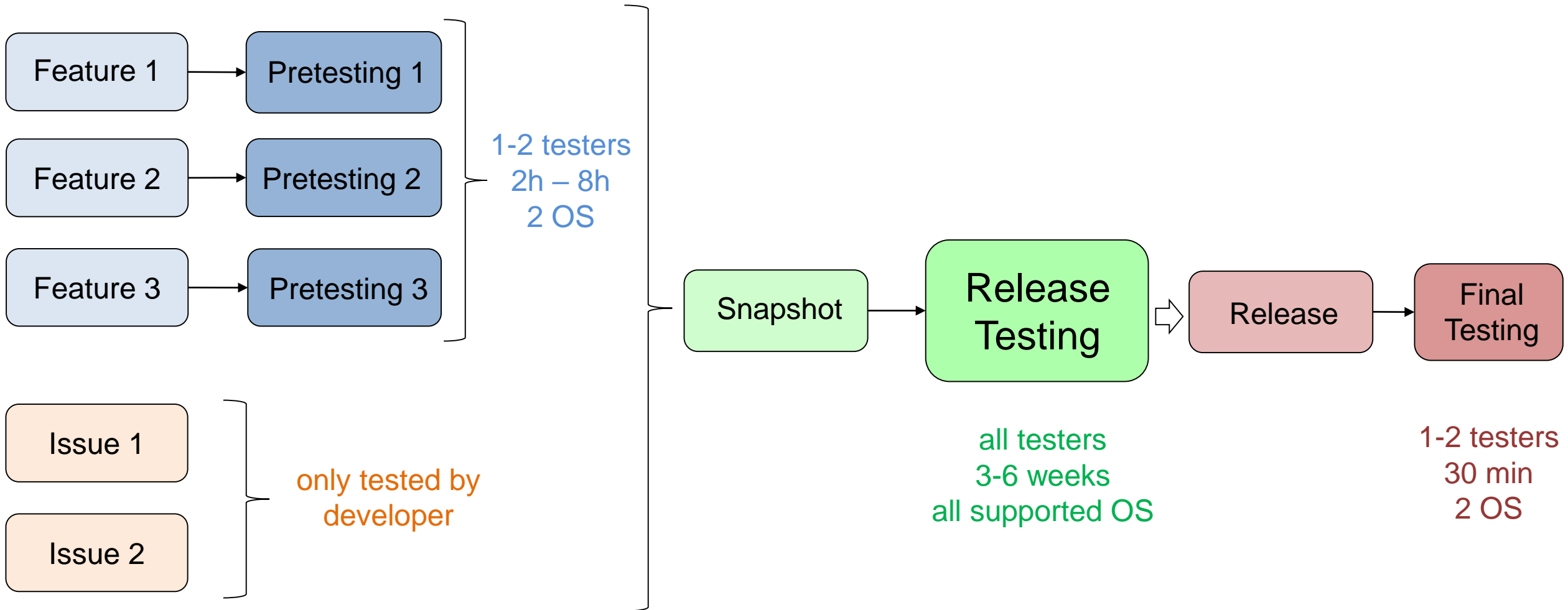
Step	Expected Result
1 There are three ways to access the "Manage Custom Groups" dialog: <ul style="list-style-type: none">- the main menu (Configuration > Manage Custom Palette Groups)-- the main toolbar (to the right of "Manage authorization groups.")- the Palette view's context menu Try out all options to open the dialog.	The dialog is displayed as expected.
2 Focus on the dialog and try out all functionalities: <ul style="list-style-type: none">- add group- add subgroup- edit group- delete group- reset component At the same time, check the resulting behavior of the Palette view.	The dialog behaves as expected. The group and tool assignments in the Palette view always match the assignments displayed in the Manage Custom Groups dialog.
3 Focus on the button activation in combination with multiple selections in the table.	The activation is understandable.
4 Move some remote components into other groups and change their availability in the network.	The Location is displayed correctly. The availability will be updated as soon as components appear/disappear in the network.



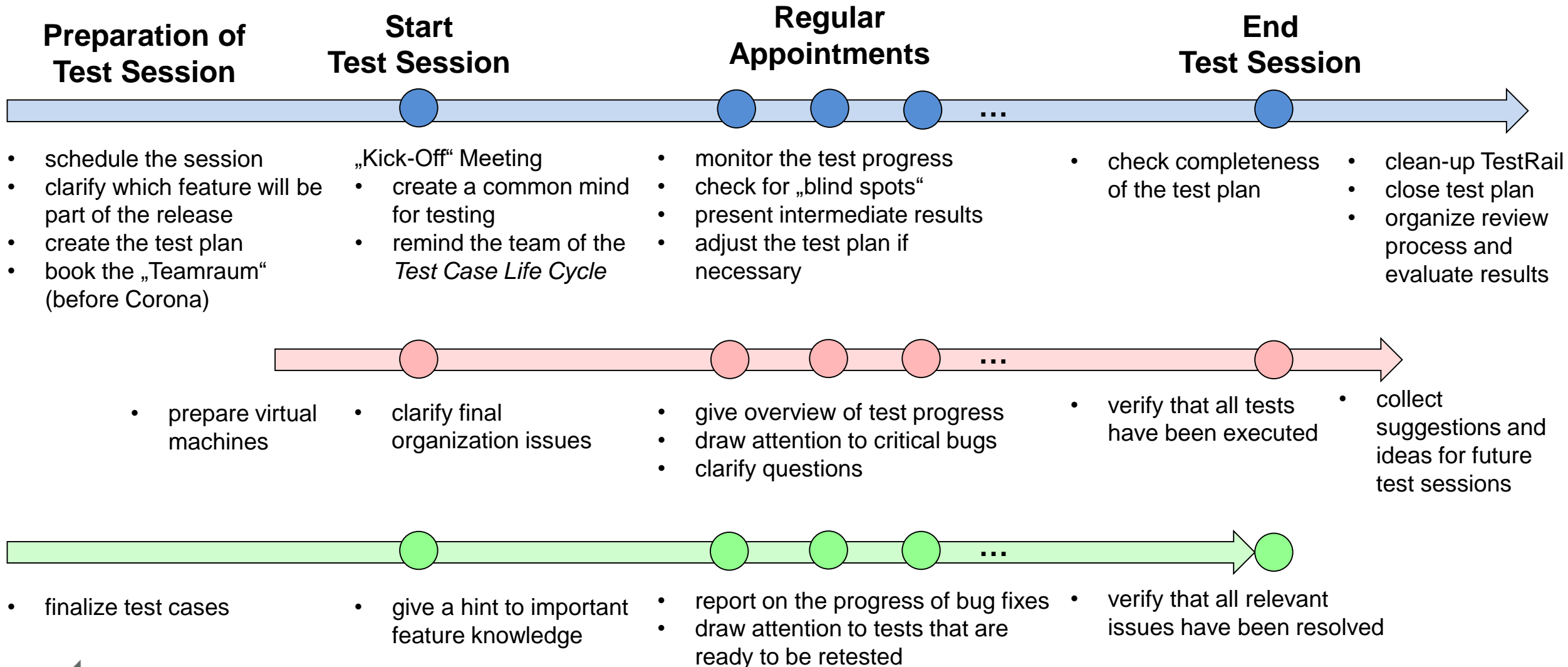
Overview Tooling



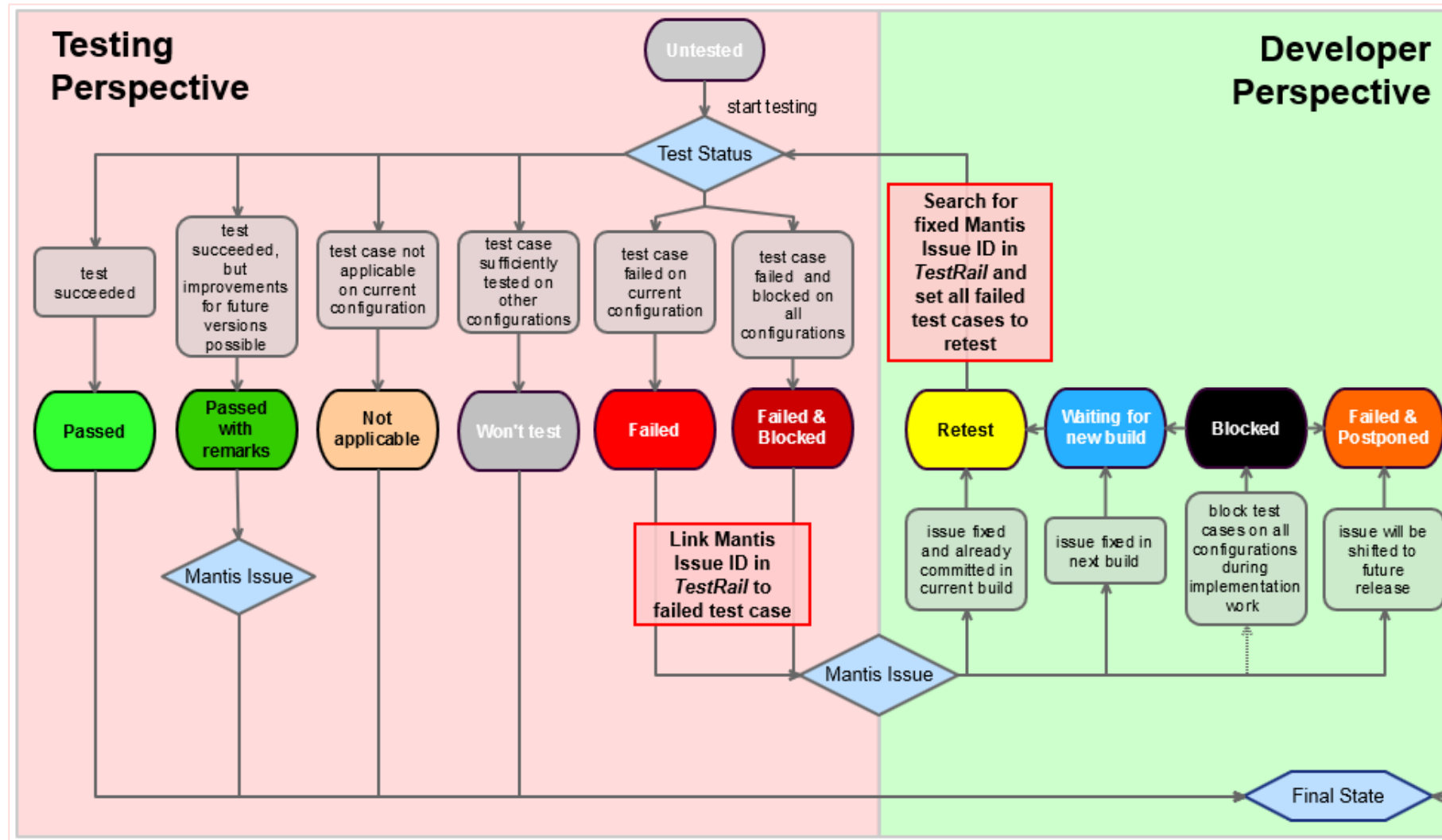
Manual Testing Process



Test Session Process







Test Case Life Cycle








Overview TestRail


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OVERVIEW | TODO | MILESTONES | TEST RUNS & RESULTS | **TEST SUITES & CASES** | REPORTS | ADMINISTRATION


Test Suites & Cases


  

**A - Tests for 10.3 - 1 Lin + 1 Win**
[Run Test](#) | [Test Runs](#) | [Edit](#)
Has 2 sections with 5 test cases. No active test runs.

**A - Tests for 10.3 - Reference Platforms**
[Run Test](#) | [Test Runs](#) | [Edit](#)
Has 2 sections with 5 test cases. No active test runs.

**A - Tests for 11.0.0 - Reference Platforms**
[Run Test](#) | [Test Runs](#) | [Edit](#)
Has 4 sections with 8 test cases. No active test runs.

**B - Basic Integration Tests - 1 Windows + 1 Linux**
[Run Test](#) | [Test Runs](#) | [Edit](#)
Has 9 sections with 24 test cases. No active test runs.

**B - Basic Integration Tests - 1 Windows + 2 Linux (Gnome + KDE)**
[Run Test](#) | [Test Runs](#) | [Edit](#)
Has 1 section with 6 test cases. No active test runs.

+ Add Test Suite

25 test suites and **177** cases in this project.



Overview TestRail

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RCE
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OVERVIEW
TODO
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TEST SUITES & CASES
REPORTS

C3183
Integrated Tools: new configuration parameter "comment"
Defects
Edit

A - Tests for 10.3 - Reference Platforms > BugFixes

Type	Priority	References	Responsible Developer
Functionality	Mandatory	17480, 16259	Schaffert, Kathrin
Test Creator	Pretesting status		
Schaffert, Kathrin	New/Untested		

Preconditions

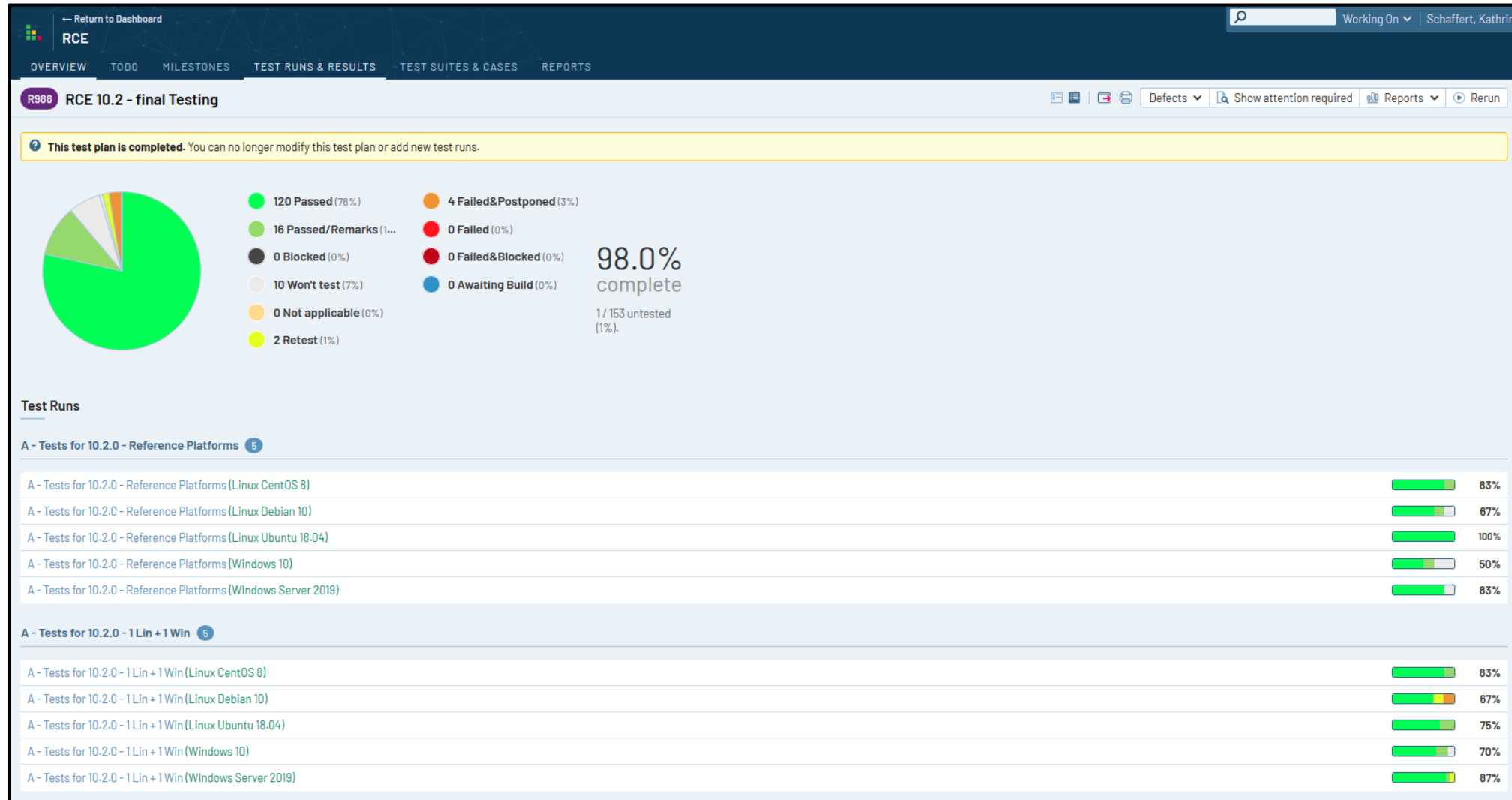
For integrated tools a new configuration has been added to the tool properties.
It is now possible for a property key to describe the use of that key using the new "comment" configuration parameter.

Steps

Step	Expected Result
1 Open the Tool Integration Wizard and create a new tool. Configure at least one property key. (Integrate Tool ... > "Tool Properties" window > "Add..." property key)	
2 Explore the "Add..." / "Edit..." dialog and the "Property keys for group ..." table. - Try different configurations. - Try to do something unexpected/unusual.	The dialog is fully visible on your test platform. Comments can be added and are displayed correctly in the table. The titles in the table are fully visible on your test platform. If comments are not fully displayed in the table, hovering over with the mouse pointer will display the entire comment. Columns can be resized. No errors occur.
3 Save and update the tool and add the tool to a workflow. Go to the Properties > Configuration tab of the integrated tool. Check, that the columns of the "Properties" table can be resized on your platform. Check, that the comments are displayed correctly and are not editable.	Everything works as expected and no errors occur.



Overview TestRail



Thanks for your attention

Questions ???

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